



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

LONGITUDINAL BALANCE: 35dB min. 1.544MHz, per ITU Method (L->M).

D.C. RESISTANCE (@20°C): 1-3; 4-5; 6-8; 9-10; 11-13; 14-15; 16-18; 19-20; 23-21; 25-24; 28-26; 30-29; 33-31; 35-34; 38-36; 40-39, 0.70 ohms max.

DIELECTRIC RATING: 1500VAC, 1 minute tested by applying 1875VAC for 1 second between 1-40; 38-4; 6-35; 33-9; 11-30; 28-14; 16-25; 23-19.

INDUCTANCE: 1.2mH min., 10kHz, 100mVAC, 1-3; 6-8; 11-13; 16-18; 23-21; 28-26; 33-31; 38-36, Ls.

LEAKAGE INDUCTANCE: 0.5uH max., 100kHz, 100mVAC, 1-3(tie 40+39); 6-8(tie 35+34); 11-13(tie 30+29); 16-18(tie 25+24); 23-21(tie 19+20); 28-26(tie 14+15); 33-31(tie 9+10); 38-36(tie 4+5), Ls.

⑥⑨ TURNS RATIO: (1-3):(40-39); (6-8):(35-34); (11-13):(30-29); (16-18):(25-24) = 1.36:1, ±4%; (23-21):(19-20); (28-26):(14-15); (33-31):(9-10); (38-36):(4-5) = 1:1, ±4%.

INTERWINDING CAPACITANCE: 25pF max., 100kHz, 100mV, 1-40; 38-4; 6-35; 33-9; 11-30; 28-14; 16-25; 23-19, Cs.

OPERATING TEMPERATURE RANGE: -40°C to +85°C.

COPLANARITY: All 40 terminals must lie on a plane within .004[.10] of Surface A after lead tinning.

Designed to comply with the following requirements as defined by IEC950, EN60950, UL1950/CSA950 and AS/NZS3260:
 - TNV-1 to SELV isolation.

DETAILS SUBJECT TO CHANGE

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| Midcom, Inc. Watertown, SD USA Toll Free: 800-643-2661 Fax: 605-886-4486 | DRAWING TITLE <h1>TRANSFORMER</h1> PDFP-G40 | DRAWING NO. <h1>50936R</h1> | REVISIONS: SEE SHEET 1 | SCALE: --- | SHEET 2 OF 8 |
| | | | AGENCY NUMBER UL 60950-1 E205930 CSA 60950-1 E205930 (Via CUL) | REV. 6D 3/05 | |